

Form PTO-1449 (modified)

Atty. Docket No.

11666.0138.NPUS00

Serial No.

10/767,587

List of Patents and Publications for Applicant's

Applicant

Moses et al.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date: 01/29/2004

Group: 3679



U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing date of App.
JH	A1	4,846,509	7-1989	Moore	285	225	
	A2	4,458,722	7-1984	Dahn	188	121	
	A3	4,295,671	10-1981	Clebank	285	223	
	A4	4,273,363	6-1981	Angel	285	47	
	A5	4,256,354	3-1981	Peterson	308	139	
	A6	4,183,556	1-1980	Schwemmer	285	51	
	A7	4,142,833	3-1979	Rybicki et al.	416	134 A	
	A8	3,952,526	4-1976	Watkins et al.	61	46	
	A9	3,853,337	12-1974	Herbert et al.	285	49	
↓	A10	3,679,197	7-1972	Schmidt	267	152	

Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
JH	C1	European Search Report and Abstract for EP 05 25 0427, 21 April 2005, European Patent Office, The Hague, Netherlands, 4 pages.
JH	C2	European Search Report and Abstract for EP 05 25 0439, 21 April 2005, European Patent Office, The Hague, Netherlands, 5 pages.

EXAMINER:

James M. Hewitt

DATE CONSIDERED:

3-31-06

EXAMINER: INITIAL ☒ REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

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✓	A1	6,646,047 B2	11/11/03	Tasaka et al.	525	92	04/30/99
	A2	6,579,955 B2	06/17/03	Keller et al.	525	477	01/16/02
	A3	6,346,567 B1	02/12/02	Nozik	524	495	05/06/96
	A4	5,951,061	09/14/99	Arlt, III et al.	285	94	08/13/97
	A5	5,366,324	11/22/94	Arlt et al.	405	195.1	06/18/92
	A6	5,269,629	12/14/93	Langner	405	195.1	06/29/91
	A7	5,133,578	07/28/92	Whightsil, Sr. et al.	285	166	03/08/91
	A8	4,984,827	01/15/91	Peppel et al.	285	133.1	08/26/88
	A9	4,909,327	03/20/90	Roche	165	359	01/25/89
	A10	4,784,410	11/15/88	Peppel et al.	285	133.2	01/30/87
	A11	4,662,791	05/05/87	Spicer	405	212	05/19/86
	A12	4,593,941	06/10/86	Whightsil, Sr.	285	165	03/15/84
	A13	4,489,962	12/25/84	Caumont et al.	285	263	09/23/82
	A14	4,432,670	02/21/84	Lawson	405	224	10/01/80
	A15	4,416,473	11/22/83	Lamy et al.	285	41	06/19/81
	A16	4,406,482	09/27/83	Clebant	285	114	01/21/81
	A17	4,362,840	12/07/82	Tabar et al.	524	525	10/01/80
	A18	4,324,194	04/13/82	Elliston	114	264	05/21/79
	A19	4,263,243	04/21/81	Wilson et al.	264	137	05/07/79
	A20	Re 30,262	04/29/80	Schmidt	267	152	12/26/78
	A21	4,198,037	04/15/80	Anderson	267	153	12/19/77
↓	A22	4,173,360	11/06/79	Bergman et al.	285	51	08/03/77

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date *	Name	Class	Sub Class	Filing date of App.
✓	A23	4,105,266	08/08/78	Finney	308	237	08/01/77
	A24	4,121,861	10/24/78	Gomdt	285	223	04/29/77
	A25	4,881,759	11/21/89	Kovitch et al.	285	49	01/04/88
	A26	4,076,284	02/28/78	Herbert et al.	285	263	05/05/76
	A27	4,068,868	01/17/78	Ohrt	285	263	09/02/75
	A28	3,958,840	05/25/76	Hickox et al.	308	2A	05/05/75
	A29	3,941,433	03/02/76	Dolling et al.	308	2R	05/05/75
	A30	3,831,922	08/27/74	Appleton	267	140	10/06/72
	A31	3,537,696	11/03/70	Webster, Jr.	267	63	05/15/68
	A32	3,519,260	07/07/70	Irwin	267	152	08/22/67
	A33	3,434,708	03/25/69	Hawk, Jr.	267	63	02/10/67
	A34	3,429,622	02/25/69	Lee et al.	308	2	03/06/67
	A35	3,168,334	02/02/65	Johnson	285	55	11/28/61
	A36	2,873,110	02/10/59	Jonsson	267	57.1	10/25/54
	A37	2,553,636	05/22/51	Dath	213	40	12/08/48
↓	A38	2,068,279	01/19/37	Piron	267	63	05/27/35

* All dates in 1900s.

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Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
JH	B1	2 160 619 A	12/24/85 ¹⁹	UK	F16D 3	56	
JH	B2	2 113 799 A	8/10/83 ¹⁹	UK	F15F	1736	
	B3						
	B4						

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	C1	White, Liz; "Oil fields: tough on elastomers," Oilfield Uses, EJR, pp. 35-36, 38; published before Aug. 12, 1997
	C2	Potter, J.L.; "The Elastomeric Bearing: What It Can Do For You," Lord Kinematics, Lord Corporation, presented at the Design Engineering Conference & Show, Philadelphia, PA, April 9-12, 1973, The American Society of Mechanical Engineers, 8 pages.
	C3	Herbst, Paul T.; "Natural rubber as a bearing material for rotary wing aircraft applications," Lord Kinematics, Lord Corporation, 1973, 8 pages.
UH	C4	"Oil States Industries Flex Joints for TLP Mooring Systems, Drilling and Production Risers; "Flexibility for Mooring, Drilling and Production Systems," Continental Emsco Company, 1994, 6 pages.
	C5	"Deepwater Installations—Flexibility for Mooring and Production Systems," Oil States Industries; http://www.oilstates.com/solutions/offshore/deepwater_installations/file.asp; 6 pages, printed January 26, 2004
	C6	"Offshore," Oil States Industries 2002-2004 http://www.oilstates.com/Solutions/Offshore/file.asp; 2 pages, printed January 26, 2004
	C7	"Steel Catenary Riser Flex Joints," Oil States Industries 2002-2004 http://www.oilstates.com/solutions/offshore/deepwater_installations/SCR/file.asp; 2 pages, printed January 26, 2004
	C8	"SCR Flex Joint, Features," Oil States Industries 2002-2004 http://www.oilstates.com/solutions/offshore/deepwater_installations/SCR/file.asp?id=299; 2 pages; printed January 26, 2004
	C9	"SCR Flex Joint, Sizes," Oil States Industries 2002-2004 http://www.oilstates.com/solutions/offshore/deepwater_installations/SCR/file.asp?id=300; 2 pages, printed January 26, 2004
	C10	"SCR Flex Joint—Bellows," Oil States Industries 2002-2004 http://www.oilstates.com/solutions/offshore/deepwater_installations/SCR/file.asp?id=301; 2 pages, printed January 26, 2004
	C11	"SCR Flex Joint—Installation Sequence," Oil States Industries 2002-2004 http://www.oilstates.com/solutions/offshore/deepwater_installations/SCR/filed.asp?id=303; 5 pages, printed January 26, 2004
	C12	"Explosive Decompression," Oil States Industries 2002-2004 http://www.oilstates.com/solutions/offshore/deepwater_installations/SCR/file.asp?id=304;

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Exam. Init.	Ref. Des.	Citation
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	C13	"Steel Catenary Risers - Attachment Methods," Oil States Industries 2002-2004; http://www.oilstates.com/solutions/offshore/deepwater_installations/SCR/file.asp?id=306; 2 pages, printed January 26, 2004
	C14	"Steel Catenary Risers - Lynx Connector," Oil States Industries http://www.oilstates.com/solutions/offshore/deepwater_installations/SCR/file.asp?id=307; 1 page; printed January 26, 2004
	C15	"SCR FlexJoint - Application History," Oil States Industries, 2002-2004; http://www.oilstates.com/solutions/offshore/deepwater_installations/SCR/file.asp?id=302 2 pages, printed January 26, 2004
	C16	Rubber Technology 101 "Rubber Chemistry," 4 pages, Rubber Development, Inc., 1999-2000
	C17	"Rubber and Plastics," http://www.ccdconsulting.com/Rubber%20and%20Plasticsa.html; 2 pages, printed January 15, 2004
	C18	"Materials - Rubber Polymers," Chart 1, Lavelle Industries, 2001; http://www.lavelle.com/tech_rbra.html; 3 pages, printed January 26, 2004
	C19	"Materials - Rubber Polymers," Chart 2, Lavelle Industries, 2001 http://www.lavelle.com/tech_rbrb.html; 3 pages, printed January 20, 2004
	C20	"JP, USP & EP Compliant Formulations," Itran-Tompkins Rubber Corporation, 2000 http://www.itran-tompkinsrubber.com/lmaterials.html; 2 pages, printed January 15, 2004
	C21	"Nitrile (Buna-N), Apple Rubber Products Inc., 1999 http://www.applerubber.com/sdg/dguide/sec_6/nitrile.cfm; 2 pages; printed January 15, 2004
	C22	"Nitrile Rubber Compound Series - Processing Parameters" http://www.chaseuk.com/prod05.htm; 3 pages, printed January 15, 2004
	C23	"Nitrile Hydrogenated (HNBR)," Apple Rubber Products, Inc., 1999 http://www.applerubber.com/sdg/dguide/sec_6/hbnr.cfm; 2 pages, printed January 15, 2004
	C24	"Hydrogenated Nitrile Butadiene Rubber (HNBR) - Properties and Applications of Hydrogenated Nitrile Butadiene Rubber," Azom.com Pty. Ltd., 2003 http://www.azom.com/details.asp?ArticleID=1724; 3 pages, printed January 15, 2004
	C25	"Rubber Physical and Chemical Properties - Temperature Resistance Properties," Silicone Rubber Thermal Properties - Dow Corning; Dow Corning Corporation, 2000-2004 http://www.dowcorning.com/content/rubber/rubberprop/rubber_thermal.asp; 1 page, printed January 20, 2004

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Exam. Init.	Ref. Des.	Citation
	C26	"Rubber Physical and Chemical Properties - Heat Aging at High Temperature;" Silicone Rubber Heat Aging - Dow Corning; Dow Corning Corporation, 2000-2004 http://www.dowcorning.com/content/rubber/rubberprop/thermal_aging.asp; 4 pages, printed January 20, 2004
	C27	"Zeotherm Thermoplastic Vulcanizates (TPVs) - Easy-to-process TPVs with incredible heat and oil resistance;" Zeon Chemicals L.P., 2003; http://www.zeotherm.com/; 2 pages, printed January 15, 2004
	C28	"PEEK HT polymer adds superior high temperature heat performance to Victrex PEEK polymer portfolio;" Victrex plc., 2003; http://www.victrex.com/; 2 pages; printed January 21, 2004
	C29	"Industrial Market - Victrex PEEK performance benefits;" Victrex plc. 2003; http://www.victrex.com/uk/markets.asp?id=25; 2 pages, printed January 21, 2004
	C30	"The Greene Tweed Seal-Connect 8 pin connector moulded in Victrex PEEK-HT polymer;" Victrex plc. 2003; http://www.victrex.com/uk/markets.asp?id=4722; 2 pages, printed January 21, 2004
	C31	Jensen, R.E. et al., Army Research Lab, Polymers Research Branch; Katulka, G.L., et al., Army Research Lab, Advanced Ammunitions Concepts Branch; "Analysis of Lightweight Electronic Encapsulant Materials for Smart Munitions Applications;" 2 pages
	C32	"Vantico - Epoxy Adhesives;" Industrial Sales Associates, Inc., http://www.isaadhesives.com/vantico.html; 3 pages, printed January 26, 2004
	C33	"UCON Fluids Products & Applications - Heat Transfer Fluids;" The Dow Chemical Company, 1995-2004, 1 page
	C34	"UCON Fluids Products & Applications - UCON Lubricant Base Stocks;" The Dow Chemical Company 1995-2004; http://www.dow.com/polyglycols/ucon/products/base.htm; 2 pages, printed January 26, 2004
	C35	Reddy, R.G., et al.; "Ionic Liquids as Thermal Energy Storage Media for Solar Thermal-Electric Power Systems;" The University of Alabama, 17 pages
	C36	"Araldite 2014 (AW 139/XB 5323) Heat/Chemical-Resistant Adhesive;" Vamico Inc., 6 pages

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	C38	"Elaster Bonding;" Lord Corporation 1997-2004; http://www.lord.com/DesktopDefault.aspx?tabid=581 ; 2 pages, printed January 26, 2004
	C39	"Adhesive Selector Guide;" Lord Corporation 2003; 2 pages, printed January 26, 2004
	C40	"Chemlok Adhesives – A Guide to Handling and Application;" Application Guide, pp. 1-23 Lord Corporation, 1999, printed January 26, 2004
	C41	"Transportation Adhesives;" Rohm and Haas Adhesives and Sealants; http://www.rohmhaas.com/AdhesivesSealants/product_lines/transportation.html ; 2 pages, printed January 26, 2004
	C42	"INCONEL NiCrFe;" Atlantic Equipment Engineers, 13 Foster Street, Bergenfield, NJ 07621; http://www.micronmetals.com/inconel.html ; 2 pages, printed January 27, 2004, 2 pages.
↓	C43	"TMO Inconel Alloy Data," Thermostatic Industries, Inc., http://www.thermostatic.com/techdata/inconeldata.shtml , 2003, 2 pages

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